

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims replaces all prior versions and listings of the claims in the present application.

### **Listing of Claims:**

1-12 (Canceled).

13. (Currently Amended) An optical functional unit comprising:

an a first optical functional element and a second optical functional element, wherein the first optical functional element includes an artificial light source, and wherein the second optical functional element includes a radiation-sensitive sensor surface;

a housing, enclosing the optical functional element wherein the housing is a completely enclosed, integral unit, and wherein the first and second optical functional elements are fully enclosed within the housing; and

a lens system, the first and second optical functional element elements operating with the lens system, wherein one of (a) an object-side part of the lens system acting as an optical lens and (b) the entire lens system of the unit is an integral component of the housing of the unit.

14. (Currently Amended) The unit according to claim 13, wherein the unit is a sensor device and the ~~functional element includes a radiation-sensitive sensor surface, which is designed to detect~~ of the second optical functional element detects electromagnetic radiation from a frequency section of the spectral range including at least one of a near infrared range and a visible range, the frequency section having a predefined width and position.

15. (Previously Presented) The unit according to claim 13, wherein the unit is a subunit for use in a passenger compartment of a motor vehicle.

16. (Previously Presented) The unit according to claim 13, wherein the one of (a) the part of the lens system acting as an optical lens and integrated into the housing and (b) the entire

lens system integrated into the housing is transparent to a frequency section, whose position and width are predetermined, and which is of electromagnetic radiation from a near infrared range, and is opaque to a visible range.

17. (Previously Presented) The unit according to claim 13, wherein a housing part containing at least part of the lens system is made using injection molding technology.

18. (Previously Presented) The unit according to claim 13, wherein a housing part containing at least part of the lens system is part of an interior lining of a motor vehicle.

19. (Canceled).

20. (Currently Amended) The unit according to claim [[19]] 13, wherein the artificial light source is a light emitting diode.

21. (Currently Amended) The unit according to claim [[19]] 13, wherein the artificial light source is a diode emitting infrared light.

22. (Canceled).

23. (Currently Amended) A range video system comprising an optical sensor device, the optical sensor device including:

an a first optical functional element and a second optical functional element, wherein the first optical functional element includes an artificial light source, and wherein the second optical functional element includes a radiation-sensitive sensor surface;

a housing, enclosing the optical functional element wherein the housing is a completely enclosed, integral unit, and wherein the first and second optical functional elements are fully enclosed within the housing; and

a lens system, the first and second optical functional ~~element~~ elements operating with the lens system, wherein one of (a) an object-side part of the lens system acting as an optical lens and (b) the entire lens system of the unit is an integral component of the housing of the unit.

24. (Currently Amended) The range video system according to claim 23, wherein the range video system is used in a motor vehicle.

25. (Currently Amended) A camera system comprising an optical sensor device, the optical sensor device including:

~~an~~ a first optical functional element and a second optical functional element, wherein the first optical functional element includes an artificial light source, and wherein the second optical functional element includes a radiation-sensitive sensor surface;

a housing, enclosing the optical functional element wherein the housing is a completely enclosed, integral unit, and wherein the first and second optical functional elements are fully enclosed within the housing; and

a lens system, the first and second optical functional ~~element~~ elements operating with the lens system, wherein one of (a) an object-side part of the lens system acting as an optical lens and (b) the entire lens system of the unit is an integral component of the housing of the unit.

26. (Previously Presented) The camera system according to claim 25, wherein the camera system is a stereo camera system.

27. (Currently Amended) The camera system according to claim 25, wherein the camera system is used in a motor vehicle.